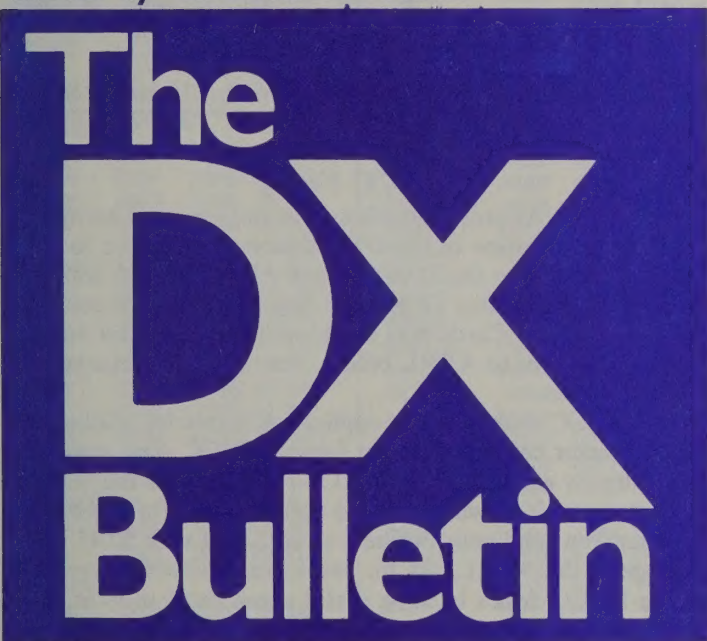


Ogasawara - JD1 Ken-ichi Matsumoto JG6CVO will be /JD1 from Ogasawara (AS-31) April 4-28. Operation will be 160-6 meters, CW, SSB, and RTTY, with emphasis on RTTY and 6 meters. On 6 meters, check 50.130 MHz. If his beacon starts with "VVV," he's not in the shack. If it starts with "CQ CQ CQ," he's available, on 6 or some other band. QSL home call: 511 Funajima, Ueki-machi, Kamoto, Kumamoto 861-02, Japan, or via the JARL bureau.

Antigua - V2 John Vugteveen W7KNT will operate as V29OA (NA-100) March 7-20, 75-6 meters, mostly SSB, with CW on request. He'll concentrate on 75 and 6 meters. He may go on to Cayman Is. as ZF2KH (NA-16) Mar. 21-28. QSL home call.

Western Sahara - SØ Members of the Lynx DX Group will try to get on as SØ1LNDX Mar. 18-23, CW, SSB, and RTTY, all bands. QSL EA2JG.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

Antarctica - Y9 Manfred Gronak Y21RO will operate from the GDR Antarctic research base "Georg Forster" as Y99ANT for one year, starting in April. Watch 3503, 7003, 14010, 21010, and 28010 kHz on CW and 3790, 7045, 14190/290, 21190/290, and 28490 kHz on SSB. QSL home call: Koellnische Str. 22, Berlin 1190 GDR, or via the Y2 bureau.

Reserve Your Island - ARRL SSB Test

- **P4ØV** (SA-36) will be active as a single-op, all-band entry by Carl AI6V. QSL home call.
- **XE2MX** is another S/A entry, by Mike Baker KA6SAR. QSL home call.
- **VP2V** is a multi-operator entry by W8QKP, N8HLK, KE8KX, N8HKQ, and VE3KOD. QSL W8QKP. 40-10 meters, with some CW after the test.

Shortly Noted

- **VK9LE** on Lord Howe Island (OC-04) will be active March 25-April 8, by VK3OT. QSL home call.
- **N6AMG's** Pacific 6-meter operation (see Issue 526) should be QSLed via **AE6H**, not **AA6H**.
- **T7ØA/1Ø** is the special call celebrating the 10th anniversary of the ARRSM, April 21-22. An award for working 10 San Marino stations April 15, 1990-April 14, 1991 will be available for \$10 from the ARRSM, Box 77, San Marino 47031. You can work the same station on different bands to make up the 10 QSOs. (Thanks DX News Sheet.)
- **EK9FWW** is the special call of the UZ9FWW club March 9-31, commemorating the 25th anniversary of the landing of the Voshod 2 spacecraft. QSL Mike Nabokin, Lenin Ave. 3-23, Berezniki, Perm Oblast 618404, USSR.
- **UMØMO** is very active on 40 meters. Try 02-0230Z short path, and 12-1300Z long path, around 7005 kHz. QSL to Serge Pasko, P.O.Box 1870, Frunze, Kirghiz 720000 USSR.
- **CF25A** was VE3XN commemorating the 25th anniversary of the Canadian flag. QSL VE3XN.
- **ZB2/F2JD** will be active again in early April.
- **FVØNDX** is the 1990 contest and island DXpedition call of Les Nouvelles DX newsletter. QSL F6AJA.
- **WØMLY/RR** will be active July 7-8 on 7250, 14250, 21250, and 28350 kHz on SSB, and 25 kHz up on CW, celebrating the last steam locomotive to be built in the world. QSL with SASE to Box 7, Rippey IA 50235 for special card.
- **SSB Net** check-ins: 7159 kHz: JW5NM KH8/SM7PKK; 14160: TZ6PS HH2MC ST4/WZ6C TF3CM; 14222: P29PL VK9TR A3SSA TJ1BW ZS9S WZ4C/ST4 YJ8AB ZK1CX 3D2AG TL8JL C21NI TL8WD; 14227: UMØMO VQ9AB P29BT FH8CB VK9TR; 14256: TJ1MR 9X5NH 9L1EY 5N2YBC JT1BV TU2WE CEØMTY C56/6W6JX VP8BUB; 21335: TR8JC 5Z4FM N3CRH/TJ XT2BX 3B9FR AP2JZB SV9AHZ Z21JE 5V7DP D2/LU6ELF.
- **RTTY report:** Some active stations: BV4VB 14084 0845Z; ZD8BOB 21086 2200Z; PZ1BS 14095 0130Z; TU2BB 14091 0645Z; 4K2OT Franz Josef Land 14090 0840Z; TA3B 21088 1145Z; UG7GWH 21083 1410Z; JX9CAA 14083 1730Z; EA9JV 14084 1830Z; VP8BFH 14095 0320Z; SV5ADM 28092 0845Z; BY1QH 21090 0908Z; 5Z4TA 21080 0930Z; V85GA 14074 ARQ 0940Z; D44BC 14087 0315Z; AH9AC 14093 0420Z; VKØJR 14079 ARQ 0911Z; FK8BK 14074 0920Z; 5V7DP 28090 1545Z; J28TY 14092 1930Z; H44SH 21083 1015Z; TZ6VV 21091 1840Z; FR5ZD 14074 FEC 0430Z; A41JR 14078 1545Z; 9K2EC 14074 ARQ 0000Z; and RL8PYL 14087 0315Z.
- **Islands On The Air:** FO5BI will be active from the Acteon Group (OC-113) through March, a New One for IOTA. Marek YJ8M plans to operate as 3D2YA from Yasawa Is. (OC-114) this weekend, another New One. YB5NOF will try to operate from the Mentawi Archipelago (OC-??) this month. Some active stations: XF1C Cedros Is. (NA-17) 28013 1500Z; IC8SDL Capri Is. (EU-31) 28390 1600Z; PP5SZ Santa Catarina Is. (SA-26) 14226 0000Z; 4K4BDH (AS-54) 14028 0420Z; 4K4AB Dickson Is. (AS-05) 14023 1920Z.

Propagation

Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
March 1990	Date Flux A K	Date Flux A K
02 Above Normal	02/03 163 05/08 2	01/06 187 04/07 1
03 Low Normal	02/04 160 23/25 5	01/07 183 05/06 1
04 Low Normal	02/05 155 21/25 3	01/08 177 17/10 5
05 High Normal	02/06 151 09/10 1	01/09 165 13/12 2
06 Low Normal	02/07 148 25/23 4	01/10 172 14/16 2
07 Above Normal	02/08 146 09/08 2	01/11 177 17/20 3
08 Above Normal	02/09 145 06/07 0	01/12 173 11/15 1
09 Above Normal	02/10 151 06/09 2	01/13 173 07/08 1
10 High Normal	02/11 138 08/09 2	01/14 173 05/08 1
11 Above Normal	02/12 145 05/07 0	01/15 189 08/08 1
12 High Normal	02/13 146 07/09 3	01/16 196 06/07 2

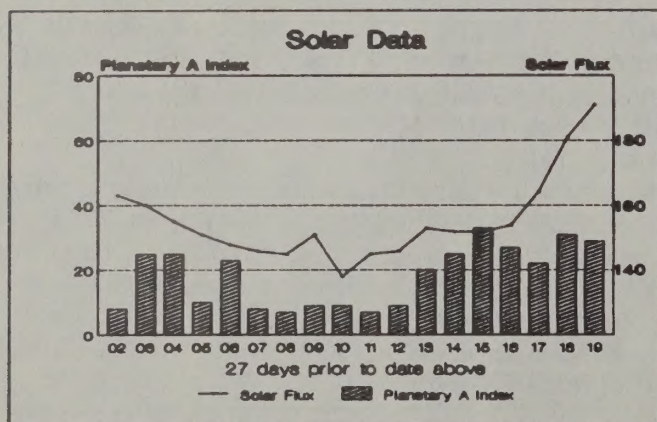
Propagation Watch

After a couple of weeks of unexpectedly low solar activity, solar flux levels rebounded at the end of February, up to 232 on Feb. 25. Unfortunately, the geomagnetic field was quite active, which cut into low-band and long-haul propagation.

As February closed, the sun was covered with sunspots, in sharp contrast to the nearly spotless sun of a couple of weeks ago. However, most of the sunspot regions are small and magnetically simple, and have produced few flares. Thus we have a sunspot count well above 300, while the flux level is in the low 200s.

If we can have any more confidence in the 27.5 day solar rotation cycle, we should see a gradual decline in solar activity over the next week, with solar flux building back up over 200 later in March. Long-haul and low-band conditions will depend on a decrease in geomagnetic activity, which is expected. The StratWarm condition has ended, which should improve polar paths when the A index drops into single digits. (StratWarm is a seasonal warming of the stratosphere over the polar regions, causing vertical mixing, and combination of ions into neutral atoms. The resulting lower level of ionization lowers the maximum useable frequency (MUF) and increases absorption on the low bands, on polar paths.)

The approach of the vernal equinox (March 20) provides another reason to expect improving band conditions. If the geomagnetic field cooperates, we should see good conditions on all bands 80-10 meters, with one or more bands open to an interesting part of the world at any hour of the day or night. All we need is a little bit of help from the sun.



Regulars

■ Bahrain	A92BE	3793	0220Z
■ Byelorussia	UC1AWZ	3502	0230Z
■ Easter Island	CE0FFD	28010	2300Z
■ Franz Josef Land	4K2OIL	14004	0230Z
■ Gambia	C53GB	28480	1230Z
■ Guam	KH2D	7005	1200Z
■ Hong Kong	VS6VO	3798	1430Z
■ Kenya	5Z4FO	21240	1900Z Sunday
■ Kirghizia	UM0MO	7007	12-1300Z
■ Liberia	EL7X	21010	2245Z
■ Mauritius	3B8CF	14034	0315Z
■ Micronesia	V63AO	28507	2100Z
■ Mongolia	JT1BS	3502	1510Z
■ Mongolia	JT1BS	14013	0100Z
■ Pakistan	AP2TN	14030	02-0300Z
■ Pakistan	AP2TN	7007	0030Z
■ Pitcairn Island	VR6JR	28500	1900Z
■ Sierra Leone	9L1US	21300	20-2300Z
■ Sierra Leone	9L1US	28493	2245Z
■ South Orkneys	LU1ZA	21012	23-0100Z
■ Sri Lanka	4S7WP	20M CW	12-1300Z
■ Sri Lanka	4S7WP	7001	2240Z
■ Vietnam	3W3RR	14005	1500Z
■ Vietnam	3W3RR	3501	1500Z
■ Walvis Bay	ZS9A	28610	15-1600Z Sun.
■ Zaire	9Q5TE	14220	0400Z

DXCC Notes

- The ARRL Awards Committee has unanimously accepted the recommendation of the DX Advisory Committee to add **Walvis Bay ZS9** to the DXCC country list. Contacts with stations in Walvis Bay on or after Sept. 1, 1977, will count for the new country. Cards may be submitted on or after June 1, 1990. Cards sent to ARRL before June 1 will be returned without action.
- The DXCC desk now has application forms for adding **12 and 17 meter endorsements** to 5-band DXCC. You must have already earned 5-band DXCC to qualify for the endorsement. You will need one application form per band, so when you send your business-sized SASE with \$0.45 postage to the ARRL, ask for **two forms MCS-255**.
- The DXCC desk's backlog is still about three months. Plan your submissions accordingly.

Notes From All Over

- Rich Assarabowski K1CC is the new chairman of the ARRL Contest Advisory Committee (CAC). The most important topic presently under consideration at the CAC is the format for computer-disc contest submissions. Send Rich a business-sized SASE with \$0.65 postage for a copy of the formats under consideration. Address is 306 Vernon Avenue, Vernon CT 06066, an address some long-time The DX Bulletin subscribers might recognize.
- The keynote speaker at the SouthWest Ohio DX Association's DX Dinner at Dayton is Jacky F2CW. Jacky was a member of the 3Y5B Bouvet team, and has operated from many corners of the world. Tickets for the Friday, April 27 dinner are \$23. Send your check made out to SWODXA and an SASE for return of your tickets to Scott Lehman N9AG, P.O.Box 803, Greenville OH 45331.

B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY

4K2OIL	14086	0101	13	PA
9Q5BG	28089	1500	11	OH
BV4VB	14086	1540	23	CA
C56/	14089	0425	18	OH

6W6JX				
CEØZIG	14085	0425	11	OH
EL2AB	14089	0311	14	CO
FR5ZD	14091	0415	11	OH
HS1BV	14086	2001	25	CA
PJ2MI	28089	0002	21	CA
PJ2MI	14089	1200	16	OH
PJ2MI	21092	1848	19	PA
PJ8PJ	14093	0130	20	CA
PZ1BS	14099	0125	20	CA
UC1AWW	14084	1430	17	CA
UZ9CWW	14092	0125	20	CA
VP8BFH	14086	0200	13	PA
VU2NR	14089	1200	16	OH

160 Meters

J34LTA	1828	0450	23	FL
PA3CWM	1836	0416	11	WA
SM6CPY	1833	0546	13	WA
V31BB	1825	0420	19	WA
XF1C	1831	0344	7	WA
YV1OB	1827	0322	15	FL

80 Meters

3W3RR	3501	1505	16	CA
5H3TW	3507	1540	15	WA
6W6JX	3503	0548	13	VT
8R1J	3503	0253	12	FL
9M2AX	3508	1505	13	CA
9M2AX	3503	2310	14	NH
EA6NB	3507	0535	15	CA
EL7X	3501	2155	14	NH
FK8GJ	3503	1500	14	WA
HZ1AB	3509	0228	15	FL
JT1BS	3501	1515	20	WA
KH2D	3508	1201	14	SC
OY1CT	3510	0035	13	NB
PZ1DV	3509	0338	15	WA
UA9UCO	3503	0130	15	NH
UC1AWZ	3501	0230	15	FL
V73AS	3503	1238	14	SC
XF1C	3501	0157	20	FL

75 Meters

A92BE	3795	0220	16	MA
EA9IE	3794	0535	14	CO
J6LQC	3799	0215	21	MA
OH5SM *	3798	1427	18	CA
P29FS	3795	1140	12	WV
TL8WD	3797	2332	14	MA
TU2UI	3788	0652	14	AZ
VS6VO	3798	1439	18	CA
ZS1DM	3789	0433	20	MA

40 Meters

3C1EA	7021	2310	16	FL
4K2OIL	7001	0333	19	OH
4K2OT	7002	1412	15	MT
4S7WP	7001	2239	12	FL
5H3TW	7004	1517	15	WA
AP2TN	7005	0034	23	FL
EL7X	7005	0623	14	MI
FK8GJ	7006	1345	13	NB
GM9QCC	7001	2249	20	FL
H44/	7005	1229	23	FL
DF5WA				
KH2D	7005	1207	11	NH
LX1DA	7001	2152	14	IL
PZ1DV	7006	1057	9	MI
T48RCT	7006	0242	24	MA

UMØMO	7001	2311	14	FL
UMØMO *	7008	1205	20	MA
UM8MAA	7004	0156	13	FL
UY5ZM *	7005	1500	15	ID
UZ9XWH	7002	0040	20	IL
V73AQ	7036	0805	18	MD
V73AS	7006	0705	15	NH
V73AX	7002	1305	24	FL
VP2EZD	7004	2305	20	FL
VU2TEC	7005	1250	13	CA
YN3CC	7002	0639	14	MI

30 Meters

3B8CF	10106	0245	19	WI
5B4OG	10107	0326	24	FL
RT5UQ	10104	0526	23	FL
UD6DKW	10106	0221	24	FL
V31BB	10105	0430	14	CA
VP2EXX	10101	2200	19	FL
YN/	10104	0404	19	PA
SMØOIG	10108	2225	23	FL

20 Meter CW

3A2LF	14025	2038	25	MA
3B8CF	14033	0313	13	UT
3C1EA	14025	0721	15	FL
3W3RR	14004	1504	22	MT
4K2OIL	14004	0225	13	CA
4K3BB	14008	1320	12	NH
4K4BA	14011	1544	22	ID
4K4QQ	14011	1617	19	BC
4S7EA	14007	0025	23	FL
4S7WP	14007	0052	22	FL
4S7WP *	14020	1245	20	RI
5NØSKO	14015	1942	11	NH
7X3DA	14027	0707	12	UT
8Q7JC *	14006	0240	12	CA
9J2BO	14029	0617	12	UT
9M2AX	14031	1340	8	GA
9M2CW	14031	1154	9	PA
A41JV	14019	0135	20	IL
A41JV *	14009	1416	9	MI
A43DX	14012	0038	23	MA
AP2MC	14030	0315	9	PA
AP2TN	14028	0207	13	FL
BY7KT	14006	1238	23	FL
BZ1DX	14030	0117	9	NH
CF25A	14008	1255	23	FL
CRØM	14028	0243	20	FL
EL2CX	14033	0251	18	IL
EL7X	14014	2301	12	MT
FR5DD	14020	0340	8	UT
H44/	14003	1210	19	MA

DF5WA

HC8VB	14008	0350	8	UT
HZ1HZ	14004	2245	18	OH
J34LTA	14025	0205	20	FL
JT1BJ	14008	1417	20	MA
JT1BR	14013	0105	13	NB
JT2AB	14008	0224	19	FL
JY9SR	14005	0225	13	CA
KH3/KNØE	14030	0420	14	CA
LU1ZA	14026	0055	16	FL
OY1CT	14002	0305	14	CA
PZ1DY	14016	1015	19	NB
RH8AA	14015	0513	23	FL
SV9ADH	14018	2205	23	FL
SV9BAI	14033	2214	13	NH
UAØYO	14008	0053	22	FL
UG7GWG	14021	0515	23	FL
UI8CB	14037	0244	10	PA
UI8CC	14005	1227	14	MA
UI9AAB	14025	1312	20	MA
UJ8XA	14040	0230	11	GA
UL7GAA	14003	0341	11	MI
UL7GE	14004	0243	15	MA

UL7MO	14018	1502	19	ID
UL7RER	14007	1208	14	MA
UL7VBP	14016	0226	11	NH
UMØMO	14030	0422	13	WA
V73AZ	14002	1328	16	IL
VU2TTC *	14031	1248	9	GA
YK1AS	14039	0445	12	CA
Z21CA	14055	0416	20	CA
ZD7KM	14026	2145	10	FL
ZD8BOB	14002	2109	11	NH

20 Meter SSB

3B8AD *	14290	1203	12	PA
5U7NU	14235	2235	15	NY
8Q7JC	14221	1155	12	OH
9L1US	14219	0038	18	DE
9Q5TE	14219	0415	20	CA
9X5NH	14265	0115	15	FL
A41KJ *	14201	1257	10	OH
A45ZP	14182	0400	11	MI
AP2ASA	14228	1314	12	IL
BY1PK	14180	0247	10	NH
C56/	14227	0309	15	MT

GØCBBY

HH2LB	14200	0430	18	CA
HKØTCN	14187	0145	12	NH
P29SC	14200	1142	23	MA
TZ6VV	14182	2311	16	IL
UG6GAW	14252	0430	13	MT
UI8ZAA	14156	0417	20	CA
VK9ND	14213	0645	19	DE
ZS8MI	14240	1459	18	NV

17 Meter CW

CEØFFD	18095	0107	11	SC
EA6QK	18073	2013	19	VT

17 Meter SSB

UL7JC	18139	1407	18	OH
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15 Meter CW

3C1EA	21025	2250	13	FL
3W3RR	21003	0120	14	CA
4K2OT	21022	0111	14	CO
5Z4FO	21040	2021	25	MA
8Q7JC	21032	2303	6	FL
9L1CM	21026	0020	14	PA
9L1US	21024	2321	23	MA
BY4RB	21026	0201	13	RI
EL7X	21010	2246	12	FL
LU1ZA	21012	2305	13	CO
SV9BAI	21019	1830	11	NH
TL8PS	21014	2117	11	NH
UI8GBQ	21035	0250	14	CA
UI9ACQ	21018	0410	14	CA
UI9AWX	21026	1308	23	FL
YN/	21009	1831	23	FL
SMØOIG				
ZD7KM	21027	1838	23	FL

15 Meters

5T5SR	21275	2240	15	NY
5U7NU	21203	2133	7	NH
5Z4ED	21235	1207	8	MA
5Z4FO	21240	1915	11	MI
9L1US	21327	2008	18	DE
9M2CW	21264	0208	13	MT
A22FN	21341	1958	6	NY
A22JP	21385	1930	11	NY
A45ZP	21315	1544	13	IN
HS1BV	21283	1919	23	CA
HZ1AB	21230	1300	15	NY
J37XC	21287	1230	18	DE
S92LB	21245	2100	6	NY
TJ/N3CRH	21355	1900	14	MS
TL8JL	21345	1953	3	FL
TU2VE	21319	2220	13	NY
UL7JGX	21237	1345	15	NY

VR6JR	21315	0158	15	IN
Z21HD	21345	1845	16	CA
ZD7DP	21299	2125	16	MI

12 Meters

5B4OG	24905	1435	14	CT
EA6ZY	24900	1447	12	SC
J28KY	24900	1315	12	PA
LY2BR	24910	1545	11	SC
OY1R	24905	1533	13	SC
PZ1DV	24900	2125	13	SC
TU2QQ	24938	1717	16	NY
UA9CBO	24891	1331	10	PA

10 Meter CW

3ADØBK	28017	1850	15	NY
3W3RR	28003	0124	7	UT
4U1ITU	28055	1533	24	FL
BV2DA	28010	0102	9	UT
CEØFFD	28009	2300	20	FL
EA6ZY	28024	1820	12	IL
EL2CX	28019	1339	11	FL
HZ1AB	28002	1420	11	IL
OX3XR	28029	1402	11	FL
TJ1RP	28050	1650	12	CA
UD7ØDF	28005	1519	24	FL
V73AX	28027	2205	24	FL
VQ9QM	28026	1259	12	GA
VU2SU	28004	1313	13	RI

10 Meter SSB

5N6YBC	28405	1215	18	NJ
5U7NU	28530	1545	18	NJ
5Z4RT	28479	1245	18	NJ
7X2DS	28451	1745	13	WA
9J2BO	28477	1810	15	MD
9L1US	28466	1220	18	NJ
9L1US	28494	2244	15	MD
A43DX	28510	1245	22	NJ
A45ZP	28578	1300	22	NJ</

01/06

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Calendar

Issue 527 - March 2, 1990

(Changes and hot info in boldface.)

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 Bahrain - A9 A92BE 3793 0220Z I527
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 ZF2OZ/ZF9 Feb. 26-Mar. 11 I525
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 Guam - KH2 AH0FJ, JA0GZ Mar. 16-17 I526
 KH2D 7005 1200Z I527
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 EL2DK EL2WK 3795 0545Z I526
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 Mauritius - 3B 3B8CF 10105/0230Z 14034/0315Z I526
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 Mongolia - JT JT1BR 14011 01-0300Z I526
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Netherland Antilles PJ6V Saba Is. ARRL SSB I526
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 Ogasawara - JD JK1ZNB/JD1 WPX SSB I522
 JG6CVO/JD1 Apr. 4-28 I527

Oman - A4 A41JV A41JV 14010 00-0400Z I526
 Pakistan - AP AP2TN 14030/02Z 7007/0030Z I527
 Papua New Guinea P29PL 28002 2245 Sat. I526
 Pitcairn - VR6 VR6JR 28500 1900Z I525
 Reunion - FR FR4FD 14005/0300Z 28003/1430Z I526
 Rwanda - 9X 9X5NH 3795 2245Z I526
 St. Barthélemy - FJ FJ/N0IMH Mar. 15-31 I521
 Saudi Arabia - HZ HZ1AB 3506/0200Z 10M SSB 1330Z I526
 Senegal - 6W 6W6JX 3504 0545Z I526
 Sierra Leone - 9L 9L1US 21300/20Z 28493/2245Z I526
 South Orkneys - VP8 LU1ZA 14020/2330Z 21012/23Z I527
 Sri Lanka - 4S 4S7WP 20M CW/12Z 7001/2240Z I526
 Taiwan - BV BV2DA 28010 23-0200Z I526
 Tanzania - 5H 5H3TW 3795/0230 1832/03Z I524
 United Arab Emirates A61AD Mar. 23-28 I524
 Vietnam - 3W 3W3RR 14005, 3501 15Z I527
 Walvis Bay - ZS9 ZS9S 14180 05Z 28610 1630Z I526
 ZS9A 28610 15-1600Z Sun. I527
 West Malaysia - 9M2 9M2AX 3505 1430Z I526
 Western Sahara - S0 S01LNDX Mar. 18-23 I527
 Western Samoa - 5W by N6AMG Mar. 29-Apr. 5 I526
 Zaire - 9Q 9Q5TE 14220 0400Z I527

DX Activities and Contests

Date	Event or Activity	Info
Mar. 3-4	ARRL SSB Test	OST
Mar. 9-11	Japan International Test	OST
Mar. 24-25	CQ WPX SSB Test	CO

Contributors

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